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CLAIMS:

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A device (1) for controlling the lighting in a room, the device comprising:
a controller unit, the controller unit comprising:

- processing means and
- one or more light measuring cells communicatively connected to the processing means,
- one or more luminaires

wherein the one or more luminaires and the controller unit are communicatively connected in an addressable digital lighting system, and wherein the processing means is programmed to automatically assign a digital address to each luminaire and further to automatically identify a spatial position of each luminaire and thereby automatically provide a relationship between the digital address and the spatial position of each luminaire.

- 2. A device according to claim 1, wherein the spatial position of each luminaire (5) is identified from perceived light levels or changes in perceived light levels.
- 3. A device according to claim 1, wherein the processing means is adapted to, once the spatial position of each luminaire has been determined, to install pre-programmed lighting scenes suitable for the determined configuration of luminaires.
- 4. A device according to claim 1, wherein the luminaires contain gas discharge lamps and wherein the processing means is communicatively connected to a ballast of each of the gas discharge lamps.
- 5. A device according to claim 1, further including a user control (30) for controlling the luminaires individually or in groups.
 - 6. A controller unit (2) for controlling the lighting in a room, the controller unit comprising:
 - processing means,

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- one or more light measuring cells (3) communicatively connected to the processing means, and
- means for communicative connecting the controller unit to one or more luminaires (5), the luminaires being communicatively connected in an addressable digital lighting system,
- wherein the processing means is programmed to automatically assign a digital address to each luminaire and further to automatically identify a spatial position of each luminaire and thereby automatically provide a relationship between the digital address and the spatial position of each luminaire.
- 7. A connector device communicatively connected to two or more of the devices according to claim 1, wherein the connector device is adapted to control each of the two or more devices, and thereby adapted to control each of the luminaires connected to each of the two or more devices.
- A connector device according to claim 7, wherein the control device comprises processing means and wherein the processing means is adapted to install preprogrammed lighting scenes suitable for the control of the two or more devices.
 - 9. A method for identification of an individually addressable luminaire in a room, the method comprising the following steps:
 - a) assigning randomly digital addresses to each of the addressable luminaires,
 - b) turning off all the luminaires,

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- c) turning on, a first luminaire corresponding to the first digital address and measuring by using a light detector the light intensity of the incident light and/or the direction from where the incident light originates, then turning off the first luminaire,
- d) turning on a next luminaire corresponding to the next digital address and measuring the light intensity of the incident light and/or the direction from where the incident light originates, then turning off the next luminaire,
- e) repeating step d) until all light intensities and/or directions have been measured,
- determining the spatial positions of each of the luminaires from the measured light intensities and/or direction, and
 - thereby providing a matrix representing the digital addresses and corresponding spatial positions of all the luminaires.